

<p align="center"><b>Notice of Allowability</b></p>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/927,156	ALGIERI ET AL.	
	<b>Examiner</b>  Dwin M. Craig	<b>Art Unit</b>  2123	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/29/06.
2. ☒ The allowed claim(s) is/are 1-24, 26-31.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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**NOTICE OF ALLOWANCE**

**AND**

**EXAMINER'S AMENDMENT**

1. Claims 1-24 and 26-31 are allowed.

*Examiner's Amendment*

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Derek J. Westberg, Reg. No. 40,872 on 22 March 2007.

The application has been amended as follows:

Claim 23 has been changed to:

-- An apparatus for assigning resources for a computer design system, comprising a computer programmed to operate in a first program loop in which a user specifies desired levels of performance parameters of the design, the design including assignments of system resources to applications, via a user interface and a second program loop in which: performance parameters are compared to the desired levels of performance parameters; the design is modified, including modifying the assignments of system resources to applications, in response to the comparison and results of the modifying are displayed for the user via the user interface. --

### REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance:

While Al-Hilali teaches a system for estimating user resources and Mason teaches methods of modeling a data storage system, **none of these references taken either alone or in combination with the prior art of record disclose**, receiving desired levels of performance parameters for a computer system design from a user including assignments of system resources to applications via a user interface to a computer system and modifying the design in response to said desired levels including modifying assignments of the system resources, specifically including:

(claim 1) "...receiving desired levels of performance parameters for a computer system design from a user including assignments of system resources to applications via a user interface to a computer system...and...modifying the design in response to said desired levels including modifying the assignments of the system resources..."

(claim 10) "...developing the design including assignments of system resources to applications...and... modifying the design including modifying the assignments of the system resources when the predicted levels are lower than the desired levels of performance parameters..."

(claim 23) "...in which a user specifies desired levels of performance parameters of the design including assignments of system resources to applications...and...the design is modified, including modifying assignments of system resources to applications...", **in combination with the remaining elements and features of the claimed invention**. It is for these reasons and in

combination the arguments set forth, specifically on pages 9, 10, 12, 13, 15 and 16 of the 12/29/2006 responses that have been persuasive as to how Applicants' invention defines over the prior art of record.

**3.1** Dependent claims 2-9, 11-22, 24 and 26-31 are allowed for at least the reason that they depend upon an allowed base claim.

**3.2** Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Conclusion***

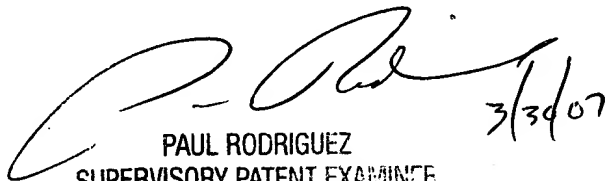
**4.** Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dwin M. Craig whose telephone number is (571) 272-3710. The examiner can normally be reached on 10:00 - 6:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul L. Rodriguez can be reached on (571) 272-3753. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2123

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dwin McTaggart Craig



PAUL RODRIGUEZ  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

3/30/07